

PATENT ABSTRACTS OF JAPAN

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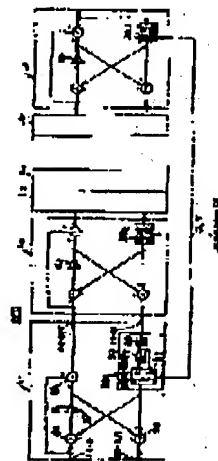
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(54) DIGITAL FILTER DEVICE FOR MUSIC SIGNAL

(57)Abstract:

PURPOSE: To control frequency characteristics effectively without generating any return noise by switching the delay length of a signal delay circuit of each stage selectively within a range of one ~ plural sampling cycles while one sampling cycle is determined as a minimum unit.

CONSTITUTION: A music signal generated with a key of the keyboard part of an electronic musical instrument is timbre-selected and inputted to a digital filter part having the digital filter circuit DFC to perform timbre control. The circuit DFC consists of cascaded digital filter units L1~LN, whose signal delay lengths are changed selectively within the range of one ~ plural sampling cycles while one sampling cycle is regarded as a minimum unit; and a control signal DLY for selecting a delay length is supplied to the units L1~LN through a delay length control circuit. Thus, frequency characteristics are controlled effectively without generating any return noise.



LEGAL STATUS

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